

Minutes

TITAN group meeting

23rd September 2010 ISAC-II conference room @ 1 p.m.

Present: Jens, Paul, Thomas, Stephan, Martin Simon, Aaron, Martin (junior), Ernesto, Usman.

FRQ

Ernesto

Switch box and supplies for YCB3N/YCB3S: Dave morris made EPICS pages for new Glassman ps, supplies have been successfully modified by Hubert, installation of power supplies in TITAN rack by me, Canbus controllers to be installed next week by controls group, Daryl has tested new switch box, OK for 5 kB, Planning to have system tested by next week, Mel will help with housing new switch box.

Gas bottle: Mel ordered 2 new bottles, Gas bottle replaced and working, Gas purification system arrive on the 10th of October.

RF PSD: Daryl will investigate the issue, got in contact with Mike Barnes who sent all the notes and reports concerning the RF system, now available on the RFQ webpage, RF PSD and RF DC were included in the CANBUS diagnostics page.

Ion source: Cs has been installed and is working, new ion sources assembly ready, cleaning procedure with Mel, two heat wave sources ordered.

RFQ efficiency test: Stephan made some measurements and concluded that there is a loss by factor of 30.

Laser/Polarizer line: Removed sodium cell, cleaned beam line, cleaned acceleration electrodes, checked fluorescence monitor, installation of collimating

EBIT:

Martin Simon

Proton got higher charges fast periodic profile, Aaron prepared the graph, data follows the predicted pattern, peak remains sharp. Idea is to maintain the sharpness. We can shoot the O2 now.

Aaron

Presented a graph showing the nice relation between experimental observation and theoretical prediction.

Martin (junior)

SIMION simulation is ready and providing meaningful results. Photo taken for the gate. Simulation was done at ... V. Voltage-vs-deflection angle graphs shows very similar simulation pattern as predicted on the literature.

Yesterday's measurement shows 20-30 pF.

Two ways of using the gate: a. One at ground and other ... 30pF b. Two switches... 20 pF.

MPET

Stephan

Nice beam from EBIT.

Resonance of O16 at 5+ charge state and 16O at 3+ charge states was observed.

Intensity of the beam from EBIT is not stable. Cannot compare 16O at 3+ charge state with others since EBIT beam is not stable so it's not possible to measure the holding time.

Quality of the resonance of 16O at 3+ charge state looks good.

CPET

Usman

Report sent to Gerald on electron injection and Gerald have sent the details of electronics to Deryl.

CPET electrodes those were found to have defective coating were sent back to the company by Paul and Mel's joint decision.

Preparing for the baking of the CPET pipe.